

## **Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.



50325

LIBRARY  
BLODIE  
★ JAN 6-1914 ★  
U. S. Department of Agriculture

# U. S. Department of Agriculture,

BUREAU OF SOILS.

## LIST OF SOIL SURVEYS.

NOVEMBER 1, 1913.

The following list gives alphabetically, by States, the soil surveys completed or in progress. Reports covering most of these surveys, consisting of a lithographic map and accompanying text, are available for free distribution and may be obtained upon application. Those marked "exhausted" are included in the Annual Reports of Field Operations of the Bureau of Soils for the years indicated and may be consulted in all the principal libraries. Those marked "in progress" are not available.

MILTON WHITNEY,  
*Chief, Bureau of Soils.*

### ALABAMA.

- 1908 Autauga County.
- 1909 Baldwin County. (Exhausted.)
- 1914 Barbour County. (In progress.)
- 1908 Bibb County.
- 1905 Blount County.
- 1913 Bullock County. (In progress.)
- 1907 Butler County. (Exhausted.)
- 1908 Calhoun County.
- 1909 Chambers County.
- 1903 Cherokee County. (See Fort Payne area.)
- 1911 Chilton County.
- 1912 Clarke County. (In press.)
- 1913 Cleburne County. (In progress.)
- 1909 Coffee County.
- 1908 Colbert County.
- 1912 Conecuh County. (In press.)
- 1912 Covington County.
- 1908 Cullman County.
- 1910 Dale County.
- 1905 Dallas County. (Exhausted.)
- 1903 Dekalb County. (See Fort Payne area.)
- 1911 Elmore County.
- 1913 Escambia County. (In progress.)
- 1908 Etowah County.
- 1903 Fort Payne area (parts of Dekalb and Cherokee Counties).  
(Exhausted.)
- 1909 Hale County.
- 1908 Henry County.
- 1903 Huntsville area (parts of Limestone and Madison Counties).  
(Exhausted.)
- 1911 Jackson County.



**ALABAMA—Continued.**

- 1908 Jefferson County. (Exhausted.)
- 1908 Lamar County. (Exhausted.)
- 1905 Lauderdale County. (Exhausted.)
- 1914 Lawrence County. (In progress.)
- 1906 Lee County.
- 1903 Limestone County. (See Huntsville area.)
- 1914 Limestone County. (In progress.)
- 1904 Macon County.
- 1911 Madison County. (Also see Huntsville area.)
- 1907 Marion County.
- 1911 Marshall County.
- 1911 Mobile County. (Exhausted.)
- 1903 Mobile area (part of Mobile County). (Exhausted.)
- 1905 Montgomery County. (Exhausted.)
- 1902 Perry County. (Exhausted.)
- 1910 Pike County.
- 1911 Randolph County.
- 1913 Russell County. (In progress.)
- 1904 Sumter County. (Exhausted.)
- 1907 Talladega County.
- 1909 Tallapoosa County. (Exhausted.)
- 1911 Tuscaloosa County.
- 1914 Washington County. (In progress.)

**ARIZONA.**

- 1903 Graham County. (See Solomonsville area.)
- 1900 Maricopa County. (See Salt River Valley.) (Exhausted.)
- 1900 Salt River Valley (part of Maricopa County). (Exhausted.)
- 1903 Solomonsville area (part of Graham County).
- 1902 Yuma area (part of Yuma County). (Exhausted.)
- 1904 Yuma County. (See Yuma area.) (Exhausted.)
- 1904 Yuma area (parts of Yuma County, Ariz., and Imperial County, Cal.). (Exhausted.)

**ARKANSAS.**

- 1902 Arkansas County. (See Stuttgart area.)
- 1913 Ashley County. (In progress.)
- 1906 Benton County. (See Fayetteville area.)
- 1907 Conway County.
- 1906 Fayetteville area (parts of Benton and Washington Counties). (Exhausted.)
- 1903 Miller County.
- 1913 Mississippi County. (In progress.)
- 1913 Pope County. (In progress.)
- 1906 Prairie County.
- 1902 Stuttgart area (part of Arkansas County). (Exhausted.)
- 1906 Washington County. (See Fayetteville area.)

**Reconnaissance.**

- 1911 **Ozark Region—Arkansas and Missouri** (Baxter, Benton, Boone, Carroll, Cleburne, Conway, Crawford, Faulkner, Franklin, Fulton, Izaard, Johnson, Madison, Marion, Newton, Pope, Randolph, Searcy, Sharp, Stone, Van Buren, Washington Counties, and parts of Independence, Jackson, Lawrence, Lonoke, Pulaski, and White Counties, Ark.; Barry, Barton, Bates, Benton, Bollinger, Camden, Cape Girardeau, Carter, Cass, Cedar, Christian, Cole, Cooper, Crawford, Dade, Dallas, Dent, Douglas, Franklin, Gasconade, Greene, Henry, Hickory, Howell, Iron, Jackson, Jasper, Jefferson, Johnson, Laclede, Lafayette, Lawrence, McDonald, Madison, Maries, Miller, Moniteau, Morgan, Newton, Oregon, Osage, Ozark, Perry, Pettis, Phelps, Polk, Pulaski, Reynolds, Ripley, Ste. Genevieve, St. Clair, St. Francois, Saline, Shannon, Stone, Taney, Texas, Vernon, Washington, Wayne, Webster, Wright, and parts of Butler and St. Louis Counties, Mo.). (In progress.)



## CALIFORNIA.

- 1910 Alameda County. (See Livermore Valley and San Jose areas.) (Exhausted.)
- 1904 Bakersfield area (part of Kern County). (Exhausted.)
- 1907 Butte County. (See Colusa and Redbluff areas.) (Exhausted.)
- 1907 Butte Valley area (part of Siskiyou County).
- 1909 Colusa County. (See Colusa and Woodland areas.) (Exhausted.)
- 1907 Colusa area (parts of Glenn, Colusa, Tehama, and Butte Counties). (Exhausted.)
- 1910 Contra Costa County. (See Livermore Valley.) (Exhausted.)
- 1904 Eldorado County. (See Sacramento area.) (Exhausted.)
- 1912 Fresno area (part of Fresno County). (In progress.) (See also Hanford area.)
- 1900 Fresno area (parts of Fresno and Tulare Counties). (Exhausted.)
- 1907 Glenn County. (See Colusa area.) (Exhausted.)
- 1901 Hanford area (parts of Fresno and Kings Counties). (Exhausted.)
- 1903 Imperial County. (See Imperial area and Yuma area, Ariz.)
- 1901 Imperial area (part of Imperial County). (Exhausted.)
- 1903 Imperial area (part of Imperial County). (Exhausted.)
- 1903 Indio area (part of Riverside County). (Exhausted.)
- 1904 Kern County. (See Bakersfield area.) (Exhausted.)
- 1901 Kings County. (See Hanford area.) (Exhausted.)
- 1910 Livermore Valley (parts of Contra Costa and Alameda Counties). (Exhausted.)
- 1904 Los Angeles County. (See San Bernardino, Los Angeles, and San Gabriel areas.) (Exhausted.)
- 1903 Los Angeles area (parts of Los Angeles and Orange Counties). (Exhausted.)
- 1901 Lower Salinas Valley (part of Monterey County). (Exhausted.)
- 1910 Madera County. (See Madera area.) (Exhausted.)
- 1910 Madera area (part of Madera County). (Exhausted.)
- 1909 Marysville area (parts of Yuba, Sacramento, Placer, and Sutter Counties). (Exhausted.)
- 1913 Merced County. (See Merced area.) (In progress.)
- 1913 Merced area (part of Merced County). (In progress.)
- 1908 Modesto-Turlock area (parts of San Joaquin and Stanislaus Counties). (Exhausted.)
- 1908 Modoc County. (See Klamath Reclamation Project area, Oregon.) (Exhausted.)
- 1901 Monterey County. (See Lower Salinas Valley and Pajaro Valley.)
- 1903 Orange County. (See Los Angeles and Santa Ana areas.) (Exhausted.)
- 1908 Pajaro Valley area (parts of Monterey and Santa Cruz Counties).
- 1904 Placer County. (See Sacramento and Marysville areas.) (Exhausted.)
- 1908 Portersville area (part of Tulare County). (Exhausted.)
- 1910 Redbluff area (parts of Tehama and Butte Counties). (Exhausted.)
- 1907 Redding area (part of Shasta County). (Exhausted.)
- 1904 Riverside County. (See San Bernardino and Indio areas.) (Exhausted.)
- 1904 Sacramento County. (See Sacramento and Marysville areas.) (Exhausted.)
- 1904 Sacramento area (parts of Sacramento, Sutter, Placer, and Eldorado Counties). (Exhausted.)
- 1901 San Bernardino County. (See San Bernardino and San Gabriel areas.)
- 1904 San Bernardino area (parts of Los Angeles, Riverside, and San Bernardino Counties). (Exhausted.)
- 1901 San Gabriel area (parts of Los Angeles and San Bernardino Counties). (Exhausted.)



**CALIFORNIA—Continued.**

- 1908 San Joaquin County. (See Modesto-Turlock and Stockton areas.) (Exhausted.)
- 1903 San Jose area (parts of Santa Clara and Alameda Counties). (Exhausted.)
- 1900 Santa Ana area (part of Orange County). (Exhausted.)
- 1903 Santa Clara County. (See San Jose area.) (Exhausted.)
- 1908 Santa Cruz County. (See Pajaro Valley area.)
- 1907 Shasta County. (See Redding area.) (Exhausted.)
- 1908 Siskiyou County. (See Klamath Reclamation Project area, Oregon, and Butte Valley area, Cal.)
- 1908 Stanislaus County. (See Modesto-Turlock area.) (Exhausted.)
- 1905 Stockton area (part of San Joaquin County). (Exhausted.)
- 1904 Sutter County. (See Sacramento and Marysville areas.) (Exhausted.)
- 1907 Tehama County. (See Colusa and Redbluff areas.) (Exhausted.)
- 1900 Tulare County. (See Fresno and Portersville areas.) (Exhausted.)
- 1901 Ventura County. (See Ventura area.) (Exhausted.)
- 1901 Ventura area (part of Ventura County). (Exhausted.)
- 1909 Woodland area (parts of Yolo and Colusa Counties). (Exhausted.)
- 1909 Yolo County. (See Woodland area.) (Exhausted.)
- 1904 Yuba County. (See Marysville area.) (Exhausted.)

**Reconnaissance.**

- 1913 Sacramento Valley area (parts of Butte, Colusa, Glenn, Placer, Sacramento, Sutter, Tehama, Yolo, and Yuba Counties). (In progress.)

**COLORADO.**

- 1902 Bent County. (See Lower Arkansas Valley.) (Exhausted.)
- 1899 Cache La Poudre Valley. (Exhausted.)
- 1903 Costilla County. (See San Luis Valley.) (Exhausted.)
- 1910 Delta County. (See Uncompahgre Valley.)
- 1905 Grand Junction area (part of Mesa County). (Exhausted.)
- 1904 Greeley area (parts of Weld and Larimer Counties). (Exhausted.)
- 1902 Kiowa County. (See Lower Arkansas Valley). (Exhausted.)
- 1904 Larimer County. (See Greeley area.) (Exhausted.)
- 1902 Lower Arkansas Valley (parts of Otero, Bent, Prowers, and Kiowa Counties). (Exhausted.)
- 1905 Mesa County. (See Grand Junction area.) (Exhausted.)
- 1910 Montrose County. (See Uncompahgre Valley.)
- 1902 Otero County. (See Lower Arkansas Valley.) (Exhausted.)
- 1910 Ouray County. (See Uncompahgre Valley area.)
- 1902 Prowers County. (See Lower Arkansas Valley.) (Exhausted.)
- 1903 Rio Grande County. (See San Luis Valley.)
- 1903 Saguache County. (See San Luis Valley.) (Exhausted.)
- 1903 San Luis Valley (parts of Saguache, Rio Grande, and Costilla Counties). (Exhausted.)
- 1910 Uncompahgre Valley area (parts of Delta, Montrose, and Ouray Counties).
- 1904 Weld County. (See Greeley area.) (Exhausted.)

**CONNECTICUT.**

- 1903 Connecticut Valley (parts of Hartford and Tolland Counties, Conn., and Franklin, Hampshire, and Hampden Counties, Mass.). (Exhausted.)
- 1903 Hartford County. (See Connecticut Valley.) (Exhausted.)
- 1912 New London County.
- 1903 Tolland County. (See Connecticut Valley area.) (Exhausted.)
- 1911 Windham County.

**DELAWARE.**

- 1903 Dover area (part of Kent County). (Exhausted.)  
 1903 Kent County. (See Dover area.) (Exhausted.)

**FLORIDA.**

- 1904 Alachua County. (See Gainesville area.)  
 1913 Bradford County. (In progress.)  
 1913 Brevard County. (See East Central Coast area.)  
 1912 Citrus County. (See Ocala area.)  
 1910 Duval County. (See Jacksonville area.) (Exhausted.)  
 1913 East Central Coast area (parts of Brevard, Palm Beach, and Saint Lucie Counties). (In progress.)  
 1906 Escambia County. (Exhausted.)  
 1903 Gadsden County. (Exhausted.)  
 1904 Gainesville area (parts of Alachua, Levy, and Marion Counties).  
 1909 Jackson County. (See Marianna area.) (Exhausted.)  
 1910 Jacksonville area (part of Duval County). (Exhausted.)  
 1907 Jefferson County. (Exhausted.)  
 1905 Leon County. (Exhausted.)  
 1904 Levy County. (See Gainesville area.)  
 1912 Levy County. (See Ocala area.)  
 1909 Marianna area (part of Jackson County). (Exhausted.)  
 1904 Marion County. (See Gainesville area.)  
 1912 Marion County. (See Ocala area.)  
 1912 Ocala area (parts of Citrus, Levy, Marion, and Sumter Counties).  
 1913 Palm Beach County. (See East Central Coast area.)  
 1913 Pinellas County. (In progress.)  
 1913 Saint Lucie County. (See East Central Coast area.)  
 1912 Sumter County. (See Ocala area.)

**GEORGIA.**

- 1904 Bainbridge area (part of Decatur County). (Exhausted.)  
 1912 Ben Hill County.  
 1910 Bulloch County. (Exhausted.)  
 1911 Chatham County. (Exhausted.)  
 1912 Chattooga County.  
 1901 Cobb County. (Exhausted.)  
 1911 Columbia County.  
 1901 Covington area (parts of Jasper, Newton, Walton, Morgan, and Rockdale Counties). (Exhausted.)  
 1903 Crawford County. (See Fort Valley area.) (Exhausted.)  
 1904 Decatur County. (See Bainbridge area.) (Exhausted.)  
 1904 Dodge County.  
 1912 Dougherty County.  
 1903 Fort Valley area (parts of Macon, Houston, and Crawford Counties). (Exhausted.)  
 1909 Franklin County.  
 1911 Glynn County.  
 1913 Gordon County. (In progress.)  
 1908 Grady County.  
 1913 Gwinnett County. (In progress.)  
 1913 Habersham County. (In progress.)  
 1909 Hancock County.  
 1903 Houston County. (See Fort Valley area.) (Exhausted.)  
 1901 Jasper County. (See Covington area.) (Exhausted.)  
 1913 Jeff Davis County. (In progress.)  
 1913 Jones County. (In progress.)  
 1903 Macon County. (See Fort Valley area.) (Exhausted.)  
 1913 Miller County. (In progress.)  
 1901 Morgan County. (See Covington area.) (Exhausted.)  
 1901 Newton County. (See Covington area.) (Exhausted.)  
 1909 Pike County.  
 1901 Rockdale County. (See Covington area.) (Exhausted.)  
 1905 Spalding County.  
 1913 Stewart County. (In progress.)  
 1910 Sumter County.  
 1913 Talbot County. (In progress.)



**GEORGIA—Continued.**

- 1908 Thomas County. (Exhausted.)
- 1909 Tift County.
- 1912 Troup County.
- 1910 Walker County.
- 1901 Walton County. (See Covington area.) (Exhausted.)
- 1906 Ware County. (See Waycross area.) (Exhausted.)
- 1906 Waycross area (Ware County). (Exhausted.)

**Reconnaissance.**

- 1912 Tatnall County. (No map.)

**IDAHO.**

- 1901 Ada County. (See Boise area.) (Exhausted.)
- 1903 Bingham County. (See Blackfoot area.) (Exhausted.)
- 1903 Blackfoot area (parts of Fremont and Bingham Counties). (Exhausted.)
- 1901 Boise area (parts of Ada and Canyon Counties). (Exhausted.)
- 1901 Canyon County. (See Boise area.) (Exhausted.)
- 1907 Cassia County. (See Minidoka area.) (Exhausted.)
- 1903 Fremont County. (See Blackfoot area.) (Exhausted.)
- 1902 Latah County. (See Lewiston area.) (Exhausted.)
- 1902 Lewiston area (parts of Nez Perce and Latah Counties). (Exhausted.)
- 1907 Lincoln County. (See Minidoka area.) (Exhausted.)
- 1902 Nez Perce County. (See Lewiston area.) (Exhausted.)
- 1907 Minidoka area (parts of Lincoln and Cassia Counties). (Exhausted.)

**ILLINOIS.**

- 1904 Calhoun County. (See O'Fallon area, Missouri.) (Exhausted.)
- 1902 Clay County.
- 1902 Clinton County. (Exhausted.)
- 1902 Jo Daviess County. (See Dubuque area, Iowa.)
- 1903 Johnson County.
- 1903 Knox County.
- 1903 McLean County. (Exhausted.)
- 1903 Sangamon County.
- 1902 St. Clair County.
- 1902 Tazewell County. (Exhausted.)
- 1912 Will County. (In progress.)
- 1903 Winnebago County. (Exhausted.)

**INDIANA.**

- 1908 Allen County.
- 1912 Boone County. (In progress.)
- 1904 Boonville area (parts of Warrick and Spencer Counties.)
- 1913 Delaware County. (In progress.)
- 1906 Greene County.
- 1912 Hamilton County. (In press.)
- 1913 Hendricks County. (In progress.)
- 1903 Madison County.
- 1907 Marion County.
- 1904 Marshall County.
- 1912 Montgomery County. (In press.)
- 1905 Newton County.
- 1902 Posey County.
- 1904 Scott County.
- 1904 Spencer County. (See Boonville area.)
- 1905 Tippecanoe County. (Exhausted.)
- 1912 Tipton County. (In press.)
- 1904 Warrick County. (See Boonville area.)

**IOWA.**

- 1913 Bremer County. (In progress.)
- 1902 Dubuque County. (See Dubuque area.)
- 1903 Cerro Gordo County.
- 1902 Dubuque area (parts of Dubuque, Jackson, and Jones Counties, Iowa, and Jo Daviess County, Ill.).



**IOWA—Continued.**

- 1902 Jackson County. (See Dubuque area.)
- 1902 Jones County. (See Dubuque area.)
- 1903 Story County.
- 1904 Tama County.

**KANSAS.**

- 1904 Allen County.
- 1911 Atchison County. (Also see Platte County, Mo.)
- 1905 Brown County.
- 1902 Butler County. (See Wichita area.)
- 1903 Cherokee County. (See Parsons area.)
- 1912 Cherokee County. (In progress.)
- 1904 Finney County. (See Garden City area.)
- 1904 Garden City area (parts of Finney and Gray Counties).
- 1904 Gray County. (See Garden City area.)
- 1912 Greenwood County. (In progress.)
- 1912 Jewell County. (In progress.)
- 1903 Labette County. (See Parsons area.)
- 1911 Leavenworth County. (See Platte County, Mo.)
- 1913 Montgomery County. (In progress.)
- 1903 Parsons area (parts of Labette and Cherokee Counties).
- 1911 Reno County.
- 1906 Riley County.
- 1903 Russell County. (See Russell area.)
- 1903 Russell area (part of Russell County).
- 1902 Sedgwick County. (See Wichita area.)
- 1911 Shawnee County.
- 1902 Wichita area (parts of Sedgwick and Butler Counties).

**Reconnaissance.**

- 1910 Western Kansas (Barber, Barton, Cheyenne, Clark, Comanche, Decatur, Edwards, Ellis, Finney, Ford, Gove, Graham, Grant, Gray, Greeley, Hamilton, Haskell, Hodgeman, Kearny, Kiowa, Lane, Logan, Meade, Morton, Ness, Norton, Osborne, Pawnee, Phillips, Pratt, Rawlins, Rooks, Rush, Russell, Scott, Seward, Sheridan, Sherman, Smith, Stafford, Stanton, Stevens, Thomas, Trego, Wallace, and Wichita Counties).

**KENTUCKY.**

- 1912 Christian County. (In press.)
- 1905 McCracken County.
- 1905 Madison County.
- 1903 Mason County.
- 1910 Rockcastle County.
- 1903 Scott County.
- 1902 Union County. (Exhausted.)
- 1904 Warren County. (Exhausted.)

**LOUISIANA.**

- 1903 Acadia Parish. (Exhausted.)
- 1908 Bienville Parish.
- 1906 Caddo Parish. (Exhausted.)
- 1901 Calcasieu Parish. (See Lake Charles area.) (Exhausted.)
- 1910 Concordia Parish.
- 1904 De Soto Parish. (Exhausted.)
- 1908 East and West Carroll Parishes.
- 1905 East Baton Rouge Parish.
- 1912 East Feliciana Parish. (In press.)
- 1911 Iberia Parish.
- 1903 Jefferson Parish. (See New Orleans area.) (Exhausted.)
- 1901 Lake Charles area (part of Calcasieu Parish). (Exhausted.)
- 1909 Lincoln Parish.
- 1903 New Orleans area (parts of Orleans, Plaquemines, Jefferson, St. Charles, and St. John the Baptist Parishes.) (Exhausted.)

**LOUISIANA—Continued.**

- 1903 Orleans Parish. (See New Orleans area.) (Exhausted.)
- 1903 Ouachita Parish. (See Ouachita area.) (Exhausted.)
- 1903 Ouachita area (part of Ouachita Parish). (Exhausted.)
- 1903 Plaquemines Parish. (See New Orleans area.) (Exhausted.)
- 1903 St. Charles Parish. (See New Orleans area.) (Exhausted.)
- 1903 St. John the Baptist Parish. (See New Orleans area.) (Exhausted.)
- 1905 Tangipahoa Parish. (Exhausted.)
- 1908 West Carroll Parish. (See East and West Carroll Parishes.)
- 1907 Winn Parish.

**MAINE.**

- 1908 Aroostook County. (See Caribou area.)
- 1908 Caribou area (part of Aroostook County).
- 1909 Orono area (part of Penobscot County).
- 1909 Penobscot County. (See Orono area.)

**MARYLAND.**

- 1909 Anne Arundel County.
- 1900 Calvert County. (Exhausted.)
- 1907 Caroline County. (See Easton area.) (Exhausted.)
- 1900 Cecil County. (Exhausted.)
- 1907 Easton area (Queen Anne, Talbot, and Caroline Counties.) (Exhausted.)
- 1903 Frederick County. (See Leesburg area, Virginia.) (Exhausted.)
- 1901 Harford County.
- 1900 Kent County. (Exhausted.)
- 1901 Prince George County. (Exhausted.)
- 1907 Queen Anne County. (See Easton area.) (Exhausted.)
- 1900 St. Mary County. (Exhausted.)
- 1907 Talbot County. (See Easton area.) (Exhausted.)
- 1903 Washington County. (See Leesburg area, Virginia.) (Exhausted.)
- 1903 Worcester County. (Exhausted.)

**MASSACHUSETTS.**

- 1903 Connecticut Valley (parts of Hampshire, Hampden, and Franklin Counties). (Exhausted.)
- 1903 Franklin County. (See Connecticut Valley.) (Exhausted.)
- 1903 Hampden County. (See Connecticut Valley.) (Exhausted.)
- 1903 Hampshire County. (See Connecticut Valley.) (Exhausted.)
- 1911 Plymouth County.

**MICHIGAN.**

- 1904 Alger County (See Munising area.) (Exhausted.)
- 1901 Allegan County. (Exhausted.)
- 1904 Alma area (part of Gratiot County).
- 1904 Bay County. (See Saginaw area.)
- 1906 Cass County.
- 1912 Genesee County. (In press.)
- 1904 Gratiot County. (See Alma area.)
- 1904 Huron County. (See Saginaw area.)
- 1902 Monroe County. (See Toledo area, Ohio.)
- 1904 Munising area (part of Alger County). (Exhausted.)
- 1903 Oakland County (See Pontiac and Oxford areas.)
- 1904 Owosso area (part of Shiawassee County).
- 1905 Oxford area (part of Oakland County).
- 1903 Pontiac area (part of Oakland County).
- 1904 Saginaw County. (See Saginaw area.)
- 1904 Saginaw area (parts of Saginaw, Bay, Tuscola, and Huron Counties).
- 1904 Shiawassee County. (See Owosso area.)
- 1904 Tuscola County. (See Saginaw area.)
- 1908 Wexford County.



**MINNESOTA.**

- 1906 Blue Earth County.
- 1905 Carlton County. (See Carlton area.) (Exhausted.)
- 1905 Carlton area (parts of Carlton and St. Louis Counties, Minn., and Douglas County, Wis.) (Exhausted.)
- 1906 Crookston area (part of Polk County). (Exhausted.)
- 1913 Goodhue County. (In progress.)
- 1903 Lyon County. (See Marshall area.) (Exhausted.)
- 1903 Marshall area (part of Lyon County). (Exhausted.)
- 1913 Pennington County. (In progress.)
- 1906 Polk County. (See Crookston area.)
- 1909 Rice County.
- 1905 St. Louis County. (See Carlton area, Minnesota, and Superior area, Wisconsin.) (Exhausted.)

**MISSISSIPPI.**

- 1910 Adams County.
- 1904 Biloxi area (part of Harrison County). (Exhausted.)
- 1913 Clarke County. (In progress.)
- 1909 Clay County.
- 1905 Copiah County. (See Crystal Springs and Jackson area.) (Exhausted.)
- 1905 Crystal Springs area (parts of Simpson and Copiah Counties). (Exhausted.)
- 1911 Forrest County.
- 1903 Hancock County. (See McNeill area.) (Exhausted.)
- 1904 Harrison County. (See Biloxi area.) (Exhausted.)
- 1904 Hinds County. (See Jackson area.) (Exhausted.)
- 1908 Holmes County.
- 1902 Issaquena County. (See Smedes and Yazoo areas.) (Exhausted.)
- 1904 Jackson area (parts of Hinds, Rankin, Simpson, and Copiah Counties). (Exhausted.)
- 1909 Jackson County. (See Scranton area.) (Exhausted.)
- 1907 Jasper County.
- 1913 Jones County. (In progress.)
- 1912 Lafayette County. (In press.)
- 1910 Lauderdale County.
- 1912 Lincoln County. (In press.)
- 191 Lowndes County.
- 190. McNeill area (parts of Pearl River and Hancock Counties). (Exhausted.)
- 1902 Madison County. (See Smedes area.) (Exhausted.)
- 1908 Monroe County.
- 1906 Montgomery County.
- 1910 Noxubee County.
- 1907 Oktibbeha County.
- 1903 Pearl River County. (See McNeill area.) (Exhausted.)
- 1906 Pontotoc County.
- 1907 Prentiss County.
- 1904 Rankin County. (See Jackson area.) (Exhausted.)
- 1909 Scranton area (part of Jackson County). (Exhausted.)
- 1902 Sharkey County. (See Smedes and Yazoo areas.) (Exhausted.)
- 1905 Simpson County. (See Crystal Springs and Jackson areas.) (Exhausted.)
- 1902 Smedes area (parts of Yazoo, Madison, Issaquena, Warren, and Sharkey Counties). (Exhausted.)
- 1912 Warren County. (In press.)
- 1911 Wayne County.
- 1913 Wilkinson County. (In progress.)
- 1912 Winston County.
- 1902 Yazoo County. (See Smedes and Yazoo areas.) (Exhausted.)
- 1901 Yazoo area (parts of Yazoo, Sharkey, and Issaquena Counties). (Exhausted.)

**MISSOURI.**

- 1909 Atchison County. (Exhausted.)
- 1912 Barton County. (In press.)
- 1908 Bates County.
- 1910 Cape Girardeau County.
- 1912 Carroll County. (In press.)
- 1912 Cass County. (In progress.)
- 1909 Cedar County.
- 1909 Cooper County.
- 1905 Crawford County.
- 1913 Dunklin County. (In progress.)
- 1911 Franklin County. (In press.)
- 1913 Greene County. (In progress.)
- 1902 Howell County. (Exhausted.)
- 1910 Jackson County. (Exhausted.)
- 1911 Laclede County.
- 1904 Lincoln County. (See O'Fallon area.) (Exhausted.)
- 1911 Macon County.
- 1910 Marion County.
- 1912 Miller County. (In progress.)
- 1913 New Madrid County. (In progress.)
- 1913 Nodaway County. (In progress.)
- 1904 O'Fallon area (parts of Lincoln, St. Charles, and St. Louis Counties, Mo., and Calhoun County, Ill.). (Exhausted.)
- 1910 Pemiscot County.
- 1913 Perry County. (In progress.)
- 1912 Pike County. (In progress.)
- 1911 Platte County. (Also small parts of Atchison and Leavenworth Counties, Kans.)
- 1906 Putnam County. (Exhausted.)
- 1913 Ralls County. (In progress.)
- 1904 Saline County. (Exhausted.)
- 1905 Scotland County.
- 1903 Shelby County.
- 1904 St. Charles County. (See O'Fallon area.) (Exhausted.)
- 1904 St. Louis County. (See O'Fallon area.) (Exhausted.)
- 1912 Stoddard County. (In progress.)
- 1904 Webster County. (Exhausted.)

**Reconnaissance.**

- 1911 **Ozark Region—Arkansas and Missouri** (Baxter, Benton, Boone, Carroll, Cleburne, Conway, Crawford, Faulkner, Franklin, Fulton, Izard, Johnson, Madison, Marion, Newton, Pope, Randolph, Searcy, Sharp, Stone, Van Buren, and Washington counties, and parts of Independence, Jackson, Lawrence, Lonoke, Pulaski, and White Counties, Ark.; Barry, Barton, Bates, Benton, Bollinger, Camden, Cape Girardeau, Carter, Cass, Cedar, Christian, Cole, Cooper, Crawford, Dade, Dallas, Dent, Douglas, Franklin, Gasconade, Greene, Henry, Hickory, Howell, Iron, Jackson, Jasper, Jefferson, Johnson, Laclede, Lafayette, Lawrence, McDonald, Madison, Maries, Miller, Moniteau, Morgan, Newton, Oregon, Osage, Ozark, Perry, Pettis, Phelps, Polk, Pulaski, Reynolds, Ripley, Ste. Genevieve, St. Clair, St. Francois, Saline, Shannon, Stone, Taney, Texas, Vernon, Washington, Wayne, Webster, Wright, and parts of Butler and St. Louis Counties, Mo.). (In press.)

**MONTANA.**

- 1902 Billings area (part of Yellowstone County).
- 1913 Bitter Root Valley area (parts of Missoula and Ravalli Counties). (In progress.)
- 1905 Gallatin County. (See Gallatin Valley area.) (Exhausted.)
- 1905 Gallatin Valley area (part of Gallatin County). (Exhausted.)
- 1913 Missoula County. (See Bitter Root Valley area.) (In progress.)



**MONTANA—Continued.**

- 1913 Ravalli County. (See Bitter Root Valley area.) (In progress.)  
 1902 Yellowstone County. (See Billings area.)

**NEBRASKA.**

- 1903 Buffalo County. (See Grand Island and Kearney areas.)  
 1913 Cass County. (In progress.)  
 1904 Dawson County. (See Kearney area.)  
 1913 Douglas County. (In progress.)  
 1904 Gosper County. (See Kearney area.)  
 1903 Grand Island area (parts of Hall, Buffalo, Hamilton, and Merrick Counties). (Exhausted.)  
 1903 Hall County. (See Grand Island area.) (Exhausted.)  
 1903 Hamilton County. (See Grand Island area.) (Exhausted.)  
 1904 Kearney County. (See Kearney area.)  
 1904 Kearney area (parts of Dawson, Buffalo, Phelps, Kearney, and Gosper Counties.)  
 1906 Lancaster County.  
 1907 Lincoln County. (See North Platte area.)  
 1903 Madison County. (See Stanton area.) (Exhausted.)  
 1903 Merrick County. (See Grand Island area.) (Exhausted.)  
 1907 North Platte area (part of Lincoln County).  
 1912 Otoe County.  
 1904 Phelps County. (See Kearney area.)  
 1903 Pierce County. (See Stanton area.) (Exhausted.)  
 1905 Sarpy County.  
 1913 Saunders County. (In progress.)  
 1913 Scotts Bluff County. (In progress.)  
 1903 Stanton County. (See Stanton area.) (Exhausted.)  
 1903 Stanton area (parts of Pierce, Wayne, Madison, and Stanton Counties). (Exhausted.)  
 1903 Wayne County. (See Stanton area.) (Exhausted.)

**Reconnaissance.**

- 1911 Western Nebraska (Adams, Banner, Blaine, Boxbutte, Boyd, Brown, Buffalo, Chase, Cherry, Cheyenne, Custer, Dawes, Dawson, Deuel, Dundy, Frontier, Franklin, Furnas, Garden, Garfield, Gosper, Grant, Greeley, Hall, Harlan, Hayes, Hitchcock, Hooker, Holt, Howard, Kearney, Keith, Keyapaha, Kimball, Lincoln, Logan, Loup, McPherson, Morrill, Perkins, Phelps, Redwillow, Rock, Scotts Bluff, Sheridan, Sherman, Sioux, Thomas, Valley, Webster, and Wheeler Counties).

**NEVADA.**

- 1909 Churchill County. (See Fallon area.)  
 1909 Fallon area (parts of Lyon, Washoe, and Churchill Counties).  
 1909 Lyon County. (See Fallon area.)  
 1909 Washoe County. (See Fallon area.)

**NEW HAMPSHIRE.**

- 1909 Hillsboro County. (See Nashua area.)  
 1906 Merrimack County.  
 1909 Nashua area (part of Hillsboro County).

**NEW JERSEY.**

- 1902 Burlington County. (See Trenton area.) (Exhausted.)  
 1901 Cumberland County. (See Salem area.) (Exhausted.)  
 1913 Freehold area (part of Monmouth County). (In progress.)  
 1901 Gloucester County. (See Salem area.) (Exhausted.)  
 1902 Hunterdon County. (See Trenton area.) (Exhausted.)  
 1902 Mercer County. (See Trenton area.) (Exhausted.)  
 1902 Middlesex County. (See Trenton area.) (Exhausted.)  
 1902 Monmouth County. (See Trenton area.) (Exhausted.)  
 1913 Monmouth County. (See Freehold area.)

**NEW JERSEY—Continued.**

- 1911 Morris County. (See Sussex area.)
- 1902 Ocean County. (See Trenton area.) (Exhausted.)
- 1911 Passaic County. (See Sussex area.)
- 1901 Salem County. (See Salem area.) (Exhausted.)
- 1901 Salem area (parts of Gloucester, Salem, and Cumberland Counties). (Exhausted.)
- 1902 Somerset County. (See Trenton area.) (Exhausted.)
- 1911 Sussex County. (See Sussex area.)
- 1911 Sussex area (parts of Morris, Passaic, Sussex, and Warren Counties).
- 1902 Trenton area (parts of Hunterdon, Somerset, Middlesex, Mercer, Monmouth, Burlington, and Ocean Counties, N. J., and Bucks County, Pa.). (Exhausted.)
- 1911 Warren County. (See Sussex area.)

**NEW MEXICO.**

- 1912 Bernalilo County. (See Middle Rio Grande area.) (In press.)
- 1899 Chaves County. (See Pecos Valley.) (Exhausted.)
- 1912 Dona Ana County. (See Mesilla Valley area.)
- 1899 Eddy County. (See Pecos Valley.) (Exhausted.)
- 1912 Mesilla Valley area (part of Dona Ana County). (In progress.)
- 1912 Middle Rio Grande area (parts of Bernalilo, Sandoval, Socorro, and Valencia Counties). (In press.)
- 1899 Pecos Valley (parts of Eddy and Chaves Counties). (Exhausted.)
- 1912 Sandoval County. (See Middle Rio Grande area.) (In press.)
- 1912 Valencia County. (See Middle Rio Grande area.) (In press.)
- 1912 Socorro County. (See Middle Rio Grande area.) (In press.)

**NEW YORK.**

- 1904 Auburn area (part of Cayuga County). (Exhausted.)
- 1902 Bigflats area (parts of Chemung and Steuben Counties). (Exhausted.)
- 1905 Binghamton area (part of Broome County). (Exhausted.)
- 1905 Broome County. (See Binghamton area.) (Exhausted.)
- 1904 Cayuga County. (See Auburn area.) (Exhausted.)
- 1913 Chautauqua County. (In progress.)
- 1901 Chautauqua County. (See Westfield area.) (Exhausted.)
- 1902 Chemung County. (See Bigflats area.) (Exhausted.)
- 1907 Dutchess County. (Exhausted.)
- 1904 Essex County. (See Vergennes area, Vermont.) (Exhausted.)
- 1911 Jefferson County.
- 1903 Kings County. (See Long Island area.) (Exhausted.)
- 1908 Livingston County. (Exhausted.)
- 1903 Long Island area (parts of Kings, Queens, Nassau, and Suffolk Counties). (Exhausted.)
- 1902 Lyons area (parts of Wayne, Ontario, and Seneca Counties). (Exhausted.)
- 1906 Madison County. (Exhausted.)
- 1910 Monroe County. (Exhausted.)
- 1908 Montgomery County.
- 1906 Niagara County. (Exhausted.)
- 1903 Nassau County. (See Long Island area.) (Exhausted.)
- 1913 Oneida County. (In progress.)
- 1903 Onondaga County. (See Syracuse area.) (Exhausted.)
- 1910 Ontario County. (Also see Lyons area.)
- 1912 Orange County. (In progress.)
- 1903 Oswego County. (See Syracuse area.) (Exhausted.)
- 1903 Queens County. (See Long Island area.) (Exhausted.)
- 1902 Seneca County. (See Lyons area.) (Exhausted.)
- 1902 Steuben County. (See Bigflats area.) (Exhausted.)
- 1903 Suffolk County. (See Long Island area.) (Exhausted.)



**NEW YORK—Continued.**

- 1903 Syracuse area (parts of Oswego and Onondaga Counties).  
(Exhausted.)
- 1905 Tompkins County. (Exhausted.)
- 1909 Washington County.
- 1902 Wayne County. (See Lyons area.) (Exhausted.)
- 1901 Westfield area (part of Chautauqua County). (Exhausted.)

**NORTH CAROLINA.**

- 1901 Alamance County. (Exhausted.)
- 1902 Alexander County. (See Hickory area.) (Exhausted.)
- 1912 Ashe County. (In press.)
- 1903 Asheville area (parts of Buncombe, Madison, and Haywood Counties). (Exhausted.)
- 1903 Buncombe County. (See Asheville and Mount Mitchell areas.) (Exhausted.)
- 1902 Burke County. (See Hickory area.) (Exhausted.)
- 1910 Cabarrus County.
- 1902 Caldwell County. (See Hickory area.) (Exhausted.)
- 1901 Cary area (part of Wake County). (Exhausted.)
- 1908 Caswell County.
- 1902 Catawba County. (See Hickory and Statesville areas.)  
(Exhausted.)
- 1906 Chowan County. (Exhausted.)
- 1903 Craven County. (See Craven and Raleigh to Newbern areas.) (Exhausted.)
- 1903 Craven area (parts of Pitt, Craven, Jones, Greene, and Lenoir Counties). (Exhausted.)
- 1901 Davie County. (See Statesville area.) (Exhausted.)
- 1905 Duplin County. (Exhausted.)
- 1907 Edgecombe County.
- 1913 Forsyth County. (In progress.)
- 1909 Gaston County.
- 1910 Granville County.
- 1900 Greene County. (See Raleigh to Newbern and Craven areas.) (Exhausted.)
- 1903 Haywood County. (See Asheville area.) (Exhausted.)
- 1907 Henderson County.
- 1902 Hickory area (parts of Catawba, Lincoln, Burke, Caldwell, Alexander, and Iredell Counties). (Exhausted.)
- 1909 Hyde County. (See Lake Mattamuskeet area.)
- 1902 Iredell County. (See Hickory and Statesville areas.) (Exhausted.)
- 1911 Johnston County. (Also see Raleigh to Newbern area.)
- 1903 Jones County. (See Craven area and Raleigh to Newbern area.) (Exhausted.)
- 1909 Lake Mattamuskeet area (part of Hyde County).
- 1900 Lenoir County. (See Raleigh to Newbern and Craven areas.) (Exhausted.)
- 1902 Lincoln County. (See Hickory and Statesville areas.) (Exhausted.)
- 1902 McDowell County. (See Mount Mitchell area.) (Exhausted.)
- 1903 Madison County. (See Asheville and Mount Mitchell areas, N. C., and Greenville area, Tenn.)
- 1910 Mecklenburg County. (Also see Statesville area.)
- 1902 Mitchell County. (See Mount Mitchell area.) (Exhausted.)
- 1902 Mount Mitchell area (parts of Yancey, Mitchell, Madison, Buncombe, and McDowell Counties). (Exhausted.)
- 1906 New Hanover County. (Exhausted.)
- 1905 Pasquotank and Perquimans Counties. (Exhausted.)
- 1912 Pender County. (In press.)
- 1905 Perquimans County. (See Pasquotank and Perquimans Counties.) (Exhausted.)
- 1909 Pitt County. (Exhausted.) (Also see Craven area.)
- 1900 Raleigh to Newbern area (parts of Craven, Jones, Wake, Johnston, Wayne, Greene, and Lenoir Counties). (Maps exhausted.)
- 1913 Randolph County. (In progress.)

**NORTH CAROLINA—Continued.**

- 1911 Richmond County.
- 1908 Robeson County.
- 1901 Rowan County. (See Statesville area.) (Exhausted.)
- 1909 Scotland County.
- 1901 Statesville area (parts of Iredell, Davie, Mecklenburg, Lincoln, Catawba, and Rowan Counties). (Exhausted.)
- 1906 Transylvania County.
- 1901 Wake County. (See Cary area and Raleigh to Newbern area.)
- 1913 Wake County. (In progress.)
- 1900 Wayne County. (See Raleigh to Newbern area.)
- 1902 Yancey County. (See Mount Mitchell area.) (Exhausted.)

**NORTH DAKOTA.**

- 1907 Adams County. (See Morton area.) (Exhausted.)
- 1912 Barnes County. (In press.) (Also see Jamestown area.)
- 1904 Cando area (part of Towner County). (Exhausted.)
- 1905 Carrington area (parts of Foster and Griggs Counties.)
- 1903 Cass County. (See Fargo area.) (Exhausted.)
- 1903 Fargo area (part of Cass County). (Exhausted.)
- 1905 Foster County. (See Carrington area.)
- 1902 Grand Forks County. (See Grand Forks area.) (Exhausted.)
- 1902 Grand Forks area (part of Grand Forks County). (Exhausted.)
- 1905 Griggs County. (See Carrington area.)
- 1907 Hettinger County. (See Morton area.) (Exhausted.)
- 1903 Jamestown area (parts of Barnes and Stutsman Counties). (Exhausted.)
- 1913 Lamoure County. (In progress.)
- 1907 McKenzie County. (See McKenzie area.)
- 1907 McKenzie area (part of McKenzie County).
- 1907 Morton County. (See Morton area.) (Exhausted.)
- 1907 Morton area (parts of Morton, Hettinger, and Adams Counties). (Exhausted.)
- 1906 Ransom County.
- 1908 Richland County. (Exhausted.)
- 1903 Stutsman County. (See Jamestown area.) (Exhausted.)
- 1904 Towner County. (See Cando area.) (Exhausted.)
- 1906 Williams County. (See Williston area.) (Exhausted.)
- 1906 Williston area (part of Williams County). (Exhausted.)

**Reconnaissance.**

- 1908 Western North Dakota (Adams, Billings, Bottineau, Bowman, Burleigh, Dunn, Emmons, Hettinger, McHenry, McKenzie, McLean, Mercer, Morton, Oliver, Stark, Ward, and Williams Counties). (Exhausted.)

**OHIO.**

- 1903 Ashtabula County. (See Ashtabula area.)
- 1903 Ashtabula area (part of Ashtabula County).
- 1909 Auglaize County.
- 1905 Cleveland area (parts of Lorain, Summit, Cuyahoga, and Medina Counties).
- 1902 Columbus area (parts of Franklin, Pickaway, Licking, Madison, and Fairfield Counties). (Exhausted.)
- 1904 Coshocton County.
- 1905 Cuyahoga County. (See Cleveland area.)
- 1905 Delaware County. (See Westerville area.)
- 1902 Fairfield County. (See Columbus area.) (Exhausted.)
- 1902 Franklin County. (See Columbus and Westerville areas.)
- 1902 Licking County. (See Columbus and Westerville areas.)
- 1905 Lorain County. (See Cleveland area.)
- 1902 Lucas County. (See Toledo area.)
- 1902 Madison County. (See Columbus and Westerville areas.)
- 1905 Medina County. (See Cleveland and Wooster areas.)
- 1906 Meigs County.



**OHIO—Continued.**

- 1900 Montgomery County.
- 1902 Ohio County. (See Toledo area.)
- 1902 Ottawa County. (See Toledo area.)
- 1902 Pickaway County. (See Columbus area.) (**Exhausted.**)
- 1913 Stark County. (In progress.) (Also see Wooster area.)
- 1904 Summit County. (See Cleveland and Wooster areas.)
- 1902 Toledo area (parts of Lucas, Wood, and Ottawa Counties, Ohio, and Monroe County, Mich.).
- 1905 Union County. (See Westerville area.)
- 1904 Wayne County. (See Wooster area.)
- 1905 Westerville area (parts of Delaware, Franklin, Licking, Madison, and Union Counties).
- 1902 Wood County. (See Toledo area.)
- 1904 Wooster area (parts of Wayne, Stark, Medina, and Summit Counties).

**Reconnaissance.**

- 1912 Entire State. (In progress.)

**OKLAHOMA.**

- 1913 Bryan County. (In progress.)
- 1906 Bryan County. (See Tishomingo area.) (**Exhausted.**)
- 1906 Johnston County. (See Tishomingo area.) (**Exhausted.**)
- 1906 Marshall County. (See Tishomingo area.) (**Exhausted.**)
- 1913 Muskogee County. (In progress.)
- 1906 Oklahoma County. (**Exhausted.**)
- 1913 Roger Mills County. (In progress.)
- 1906 Tishomingo area, Indian Territory (part of District No. 22 or parts of Bryan, Marshall, and Johnston Counties). (**Exhausted.**)

**OREGON.**

- 1903 Baker City area (parts of Baker and Union Counties). (**Exhausted.**)
- 1903 Baker County. (See Baker City area.) (**Exhausted.**)
- 1909 Coos County. (See Marshfield area.)
- 1909 Curry County. (See Marshfield area.)
- 1912 Hood River County. (See Hood River area.)
- 1912 Hood River area (parts of Hood River County, Oreg., and Klickitat and Skamania Counties, Wash.). (In press.)
- 1911 Jackson County. (See Medford area.)
- 1908 Klamath County. (See Klamath reclamation project area.) (**Exhausted.**)
- 1908 Klamath reclamation project area (parts of Klamath County, Oreg., and Modoc and Siskiyou Counties, Cal.). (**Exhausted.**)
- 1903 Marion County. (See Salem area.) (**Exhausted.**)
- 1909 Marshfield area (parts of Coos and Curry Counties).
- 1911 Medford area (part of Jackson County).
- 1903 Polk County. (See Salem area.) (**Exhausted.**)
- 1903 Salem area (parts of Marion and Polk Counties). (**Exhausted.**)
- 1903 Union County. (See Baker City area.) (**Exhausted.**)

**PENNSYLVANIA.**

- 1904 Adams County. (**Exhausted.**)
- 1911 Bedford County. (Also see Johnstown area.)
- 1909 Berks County.
- 1907 Blair County. (See Johnstown area.)
- 1911 Bradford County.
- 1902 Bucks County. (See Trenton area, New Jersey.) (**Exhausted.**)
- 1907 Cambria County. (See Johnstown area.)
- 1908 Center County.
- 1905 Chester County. (**Exhausted.**)
- 1903 Clinton County. (See Lockhaven area.)

**PENNSYLVANIA—Continued.**

- 1901 Dauphin County. (See Lebanon area.)
- 1910 Erie County.
- 1907 Johnstown area (parts of Cambria, Blair, and Bedford Counties).
- 1913 Lancaster County. (In progress.)
- 1901 Lancaster County. (See Lancaster and Lebanon areas.)
- 1900 Lancaster area (part of Lancaster County.) (Exhausted.)
- 1901 Lebanon County. (See Lebanon area.) (Exhausted.)
- 1901 Lebanon area (parts of Lancaster, Lebanon, and Dauphin Counties). (Exhausted.)
- 1912 Lehigh County. (In press.)
- 1903 Lockhaven area (part of Clinton County).
- 1905 Montgomery County. (Exhausted.)
- 1910 Washington County.
- 1912 York County. (In progress.)

**Reconnaissance.**

- 1911 **Northeastern Pennsylvania** (Bradford, Clinton, Lackawanna, Lycoming, Pike, Sullivan, Susquehanna, Tioga, Wayne, and Wyoming Counties). (In press.)
- 1908 **Northwestern Pennsylvania** (Cameron, Crawford, Elk, Erie, Forest, Lawrence, McKean, Mercer, Potter, Venango, and Warren Counties). (Exhausted.)
- 1910 **South-Central Pennsylvania** (Adams, Bedford, Blair, Cambria, Center, Clearfield, Cumberland, Franklin, Fulton, Huntingdon, Juniata, Mifflin, Perry, Snyder, Somerset, and Union Counties).
- 1912 **Southeastern Pennsylvania Reconnaissance** (including Berks, Bucks, Carbon, Chester, Columbia, Dauphin, Delaware, Lancaster, Lebanon, Lehigh, Luzerne, Monroe, Montgomery, Montour, Northampton, Northumberland, Philadelphia, Schuylkill, and York Counties). (In progress.)
- 1909 **Southwestern Pennsylvania** (Allegheny, Armstrong, Beaver, Butler, Clarion, Fayette, Greene, Indiana, Jefferson, Washington, and Westmoreland Counties).

**PORTO RICO.**

- 1902 Arecibo to Ponce.

**RHODE ISLAND.**

- 1904 Entire State. (Exhausted.)

**SOUTH CAROLINA.**

- 1902 Abbeville County. (See Abbeville area.)
- 1902 Abbeville area (parts of Abbeville, Anderson, Greenwood, and Laurens Counties).
- 1909 Anderson County. (Also see Abbeville area.)
- 1913 Bamberg County. (In progress.)
- 1912 Barnwell County. (In press.)
- 1903 Campobello area (parts of Greenville and Spartanburg Counties).
- 1904 Charleston County. (See Charleston area.)
- 1904 Charleston area (parts of Charleston and Colleton Counties).
- 1905 Cherokee County. (Exhausted.)
- 1912 Chester County. (In press.)
- 1910 Clarendon County.
- 1904 Colleton County. (See Charleston area.)
- 1909 Conway area (part of Horry County).
- 1902 Darlington County. (See Darlington area.)
- 1902 Darlington area (Darlington County and part of Lee County).
- 1911 Fairfield County.
- 1911 Georgetown County.
- 1903 Greenville County. (See Campobello area.)
- 1902 Greenwood County. (See Abbeville area.)
- 1909 Horry County. (See Conway area.)
- 1904 Lancaster County. (Exhausted.)



**SOUTH CAROLINA—Continued.**

- 1902 Laurens County. (See Abbeville area.)
- 1907 Lee County. (Also see Darlington area.)
- 1907 Oconee County.
- 1904 Orangeburg County. (See Orangeburg area.)
- 1904 Orangeburg area (part of Orangeburg County).
- 1912 Orangeburg County. (In progress.) (Also see Orangeburg area.)
- 1909 Saluda County.
- 1903 Spartanburg County. (See Campobello area.)
- 1907 Sumter County.
- 1913 Union County. (In progress.)
- 1905 York County. (Exhausted.)

**SOUTH DAKOTA.**

- 1907 Belle Fourche area (parts of Butte and Meade Counties.) (Exhausted.)
- 1903 Brookings County. (See Brookings area.) (Exhausted.)
- 1903 Brookings area (part of Brookings County). (Exhausted.)
- 1907 Butte County. (See Belle Fourche area.) (Exhausted.)
- 1907 Meade County. (See Belle Fourche area.) (Exhausted.)

**Reconnaissance.**

- 1909 Western South Dakota (Armstrong, Bennett, Butte, Corson, Custer, Dewey, Fall River, Gregory, Harding, Lawrence, Lyman, Meade, Mellette, Pennington, Perkins, Schnasse, Shannon, Stanley, Todd, Tripp, Washabaugh, and Washington Counties). (Exhausted.)

**TENNESSEE.**

- 1903 Bledsoe County. (See Pikeville area.)
- 1904 Cocke County. (See Greeneville area.)
- 1908 Coffee County.
- 1903 Cumberland County. (See Pikeville area.)
- 1903 Davidson County.
- 1907 Giles County.
- 1906 Grainger County.
- 1904 Greene County. (See Greeneville area.)
- 1904 Greeneville area (parts of Greene, Hawkins, Cocke, and Sullivan Counties, Tenn., and Madison County, N. C.)
- 1904 Hawkins County. (See Greeneville area.)
- 1905 Henderson County. (Exhausted.)
- 1913 Jackson County. (In progress.)
- 1904 Lawrence County.
- 1906 Madison County.
- 1901 Montgomery County. (Exhausted.)
- 1908 Overton County.
- 1903 Pikeville area (parts of Van Buren, Bledsoe, Rhea, and Cumberland Counties).
- 1912 Putnam County. (In press.)
- 1903 Rhea County. (See Pikeville area.)
- 1912 Robertson County. (In press.)
- 1904 Sullivan County. (See Greeneville area.)
- 1909 Sumner County.
- 1903 Van Buren County. (See Pikeville area.)

**TEXAS.**

- 1904 Anderson County. (Exhausted.)
- 1903 Angelina County. (See Lufkin area.) (Exhausted.)
- 1912 Archer County. (In press.)
- 1904 Austin area (parts of Bastrop, Caldwell, Hays, Travis, and Williamson Counties). (Exhausted.)
- 1907 Bastrop County. (Also see Austin and San Marcos areas).
- 1904 Bexar County. (See San Antonio area.) (Exhausted.)
- 1905 Bosque County. (See Waco area.) (Exhausted.)

## TEXAS—Continued.

- 1902 Brazoria County. (See Brazoria area.) (Exhausted.)
- 1902 Brazoria area (part of Brazoria County). (Exhausted.)
- 1907 Brownsville area (part of Cameron County). (Exhausted.)
- 1904 Caldwell County. (See Austin and San Marcos areas.)
- 1907 Cameron County. (See Brownsville area.) (Exhausted.)
- 1908 Camp County.
- 1903 Cherokee County. (See Jacksonville area.) (Exhausted.)
- 1907 Cooper area (Delta and part of Lamar County).
- 1908 Corpus Christi area (part of Nueces County). (Exhausted.)
- 1907 Delta County. (See Cooper area.)
- 1910 Ellis County.
- 1908 Franklin County.
- 1909 Grayson County.
- 1906 Guadalupe County. (See San Marcos area.)
- 1911 Harrison County. (In press.)
- 1904 Hays County. (See Austin and San Marcos areas.)
- 1906 Henderson area (part of Rusk County).
- 1905 Houston County. (Exhausted.)
- 1903 Jacksonville area (part of Cherokee County). (Exhausted.)
- 1913 Jefferson County. (In progress.)
- 1903 Lamar County. (See Cooper and Paris areas.)
- 1906 Laredo area (part of Webb County). (Exhausted.)
- 1905 Lavaca County. (Exhausted.)
- 1905 Lee County. (Exhausted.)
- 1903 Lufkin area (part of Angelina County). (Exhausted.)
- 1905 McLennan County. (See Waco area.) (Exhausted.)
- 1901 Montgomery County. (See Willis area.) (Exhausted.)
- 1909 Morris County.
- 1903 Nacogdoches County. (See Nacogdoches area.) (Exhausted.)
- 1903 Nacogdoches area (part of Nacogdoches County). (Exhausted.)
- 1908 Nueces County. (See Corpus Christi area.) (Exhausted.)
- 1903 Paris area (part of Lamar County). (Exhausted.)
- 1907 Robertson County.
- 1906 Rusk County. (See Henderson area.)
- 1904 San Antonio area (part of Bexar County). (Exhausted.)
- 1906 San Marcos area (parts of Hays, Guadalupe, Caldwell, and Bastrop Counties).
- 1909 Titus County.
- 1904 Travis County. (See Austin area.) (Exhausted.)
- 1903 Tyler County. (See Woodville area.) (Exhausted.)
- 1902 Vernon area (part of Wilbarger County). (Exhausted.)
- 1905 Waco area (parts of Bosque and McLennan Counties). (Exhausted.)
- 1913 Washington County. (In progress.)
- 1906 Webb County. (See Laredo area.) (Exhausted.)
- 1902 Wilbarger County. (See Vernon area.) (Exhausted.)
- 1904 Williamson County. (See Austin area.) (Exhausted.)
- 1901 Wills area (part of Montgomery County). (Exhausted.)
- 1907 Wilson County.
- 1903 Woodville area (part of Tyler County). (Exhausted.)

## Reconnaissance.

- 1910 **Central Gulf Coast Texas** (Aransas, Bee, Brazoria, Calhoun, Dewitt, Goliad, Jackson, Karnes, Matagorda, Refugio, Victoria, and Wharton Counties). (Exhausted.)
- 1910 **Panhandle Texas** (Armstrong, Briscoe, Carson, Castro, Childress, Collingsworth, Dallam, Deaf Smith, Donley, Gray, Hall, Hansford, Hartley, Hemphill, Hutchinson, Lipscomb, Moore, Ochiltree, Oldham, Parmer, Potter, Randall, Roberts, Sherman, Swisher, and Wheeler). (Exhausted.)
- 1913 **South Central Texas** (Bandera, Blanco, Burnett, Comal, Crockett, Edwards, Gillespie, Hays, Kendall, Kerr, Kimble, Llano, Mason, Menard, Schleicher, Sutton, Travis, and Valverde Counties). (In progress.)



**TEXAS**—Continued.

- 1909 South Texas (Cameron, Duval, Hidalgo, Nueces, San Patricio, Starr, Webb, and Zapata Counties). (Exhausted.)  
 1911 Southwest Texas (Atascosa, Bexar, Dimmit, Frio, Kinney, La Salle, Live Oak, Maverick, McMullen, Medina, Uvalde, Wilson, and Zavalla Counties).

**UTAH.**

- 1904 Bear River area (part of Boxelder County).  
 1904 Boxelder County. (See Bear River and Weber County areas.)  
 1912 Cache County. (See Cache Valley area.)  
 1912 Cache Valley area (part of Cache County). (In progress.)  
 1900 Davis County. (See Weber County area.) (Exhausted.)  
 1903 Provo area (part of Utah County).  
 1899 Salt Lake County. (See Salt Lake Valley.) (Exhausted.)  
 1899 Salt Lake Valley (part of Salt Lake County). (Exhausted.)  
 1900 Sanpete County. (See Sevier Valley.) (Exhausted.)  
 1900 Sevier County. (See Sevier Valley.) (Exhausted.)  
 1900 Sevier Valley (parts of Sevier and Sanpete Counties). (Exhausted.)  
 1903 Utah County. (See Provo area.)  
 1900 Weber County area (parts of Boxelder, Davis, and Weber Counties). (Exhausted.)

**VERMONT.**

- 1904 Addison County. (See Vergennes area.) (Exhausted.)  
 1904 Vergennes area (part of Addison County, Vt., and Essex County, N. Y.). (Exhausted.)

**VIRGINIA.**

- 1902 Albemarle County. (See Albemarle area.) (Exhausted.)  
 1902 Albemarle area (parts of Albemarle, Buckingham, Greene, Augusta, Nelson, Page, and Rockingham Counties). (Exhausted.)  
 1901 Amelia County. (See Prince Edward area.) (Exhausted.)  
 1904 Appomattox County. (Exhausted.)  
 1902 Augusta County. (See Albemarle area.) (Exhausted.)  
 1901 Bedford County. (See Bedford area.) (Exhausted.)  
 1901 Bedford area (parts of Bedford, Botetourt, Franklin, and Roanoke Counties). (Exhausted.)  
 1901 Botetourt County. (See Bedford area.) (Exhausted.)  
 1902 Buckingham County. (See Albemarle area.) (Exhausted.)  
 1909 Campbell County.  
 1901 Charlotte County. (See Prince Edward area.) (Exhausted.)  
 1906 Chesterfield County. (Exhausted.)  
 1905 Elizabeth City County. (See Yorktown area.) (Exhausted.)  
 1901 Franklin County. (See Bedford area.) (Exhausted.)  
 1905 Gloucester County. (See Yorktown area.) (Exhausted.)  
 1902 Greene County. (See Albemarle area.) (Exhausted.)  
 1905 Hanover County. (Exhausted.)  
 1913 Henrico County. (In progress.)  
 1905 James City County. (See Yorktown area.) (Exhausted.)  
 1903 Leesburg area (parts of Loudoun County, Va., Frederick and Washington Counties, Md., and Jefferson County, W. Va.). (Exhausted.)  
 1903 Loudoun County. (See Leesburg area.) (Exhausted.)  
 1905 Louisa County. (Exhausted.)  
 1901 Lunenburg County. (See Prince Edward area.) (Exhausted.)  
 1907 Montgomery County.  
 1903 Nansemond County. (See Norfolk area.) (Exhausted.)  
 1902 Nelson County. (See Albemarle area.) (Exhausted.)  
 1903 Norfolk County. (See Norfolk area.) (Exhausted.)  
 1903 Norfolk area (parts of Princess Anne, Nansemond, and Norfolk Counties). (Exhausted.)  
 1901 Nottoway County. (See Prince Edward area.) (Exhausted.)  
 1902 Page County. (See Albemarle area.) (Exhausted.)

**VIRGINIA—Continued.**

- 1901 Prince Edward County. (See Prince Edward area.) (Exhausted.)
- 1901 Prince Edward area (parts of Prince Edward, Lunenburg, Charlotte, Nottoway, and Amelia Counties). (Exhausted.)
- 1903 Princess Anne County. (See Norfolk area.) (Exhausted.)
- 1901 Roanoke County. (See Bedford area.) (Exhausted.)
- 1902 Rockingham County. (See Albemarle area.) (Exhausted.)
- 1905 Warwick County. (See Yorktown area.) (Exhausted.)
- 1905 York County. (See Yorktown area.) (Exhausted.)
- 1905 Yorktown area (all of Elizabeth City, York, James City, Gloucester, and Warwick Counties). (Exhausted.)

**WASHINGTON.**

- 1907 Bellingham area (part of Whatcom County). (Exhausted.)
- 1905 Everett area (part of Snohomish County). (Exhausted.)
- 1911 Grant County. (See Quincy area.)
- 1912 Hood River area (parts of Hood River County, Oreg., and Klickitat and Skamania Counties, Wash.). (In press.)
- 1905 Island County. (Exhausted.)
- 1912 Klickitat County. (See Hood River area, Oregon.)
- 1911 Quincy area (part of Grant County).
- 1912 Skamania County. (See Hood River area, Oregon and Southwestern Washington, Reconnoissance.)
- 1905 Snohomish County. (See Everett area.) (Exhausted.)
- 1913 Stevens County. (In progress.)
- 1902 Walla Walla County. (See Walla Walla area.) (Exhausted.)
- 1902 Walla Walla area (part of Walla Walla County). (Exhausted.)
- 1907 Whatcom County. (See Bellingham area.) (Exhausted.)
- 1901 Yakima County. (See Yakima area.) (Exhausted.)
- 1901 Yakima area (part of Yakima County). (Exhausted.)

**Reconnoissance.**

- 1909 Puget Sound Basin, Eastern Part, Washington (parts of King, Pierce, Skagit, Snohomish, and Whatcom Counties). (Exhausted.)
- 1910 Puget Sound Basin, Western Part, Washington (Island, Kitsap, San Juan, and Thurston Counties, and parts of Chehalis, Clallam, Jefferson, Lewis, Mason, and Pierce Counties.)
- 1911 Southwestern Washington (Clarke, Cowlitz, Pacific, and Wahkiakum Counties and parts of Lewis and Skamania Counties).

**WEST VIRGINIA.**

- 1913 Boone County. (In progress.)
- 1906 Brooke County. (See Wheeling area.)
- 1911 Cabell County. (See Huntington area.)
- 1909 Calhoun County. (See Spencer area.)
- 1910 Clarksburg area (Harrison and Doddridge Counties).
- 1910 Doddridge County. (See Clarksburg area.)
- 1906 Hancock County. (See Wheeling area.)
- 1910 Harrison County. (See Clarksburg area.)
- 1911 Huntington area (Cabell, Lincoln, and Wayne Counties).
- 1910 Jackson County. (See Point Pleasant area.)
- 1903 Jefferson County. (See Leesburg area, Virginia.) (Exhausted.)
- 1912 Kanawha County. (In press.)
- 1911 Lincoln County. (See Huntington area.)
- 1913 Logan and Mingo Counties. (In progress.)
- 1911 Marion County. (See Morgantown area.)
- 1906 Marshall County. (See Middlebourne and Wheeling areas.)
- 1910 Mason County. (See Point Pleasant area.)
- 1907 Middlebourne area (Marshall, Tyler, and Wetzel Counties.)
- 1913 Mingo County. (See Logan and Mingo Counties.) (In progress.)



**WEST VIRGINIA**—Continued.

- 1911 Monongalia County. (See Morgantown area.)
- 1911 Morgantown area (Marion, Monongalia, and Taylor Counties).
- 1906 Ohio County. (See Wheeling area.)
- 1908 Parkersburg area (Wood, Pleasants, and Ritchie Counties). (Exhausted.)
- 1908 Pleasants County. (See Parkersburg area.) (Exhausted.)
- 1910 Point Pleasant area (Jackson, Mason, and Putnam Counties).
- 1912 Preston County. (In progress.)
- 1910 Putnam County. (See Point Pleasant area.)
- 1908 Ritchie County. (See Parkersburg area.) (Exhausted.)
- 1909 Roane County. (See Spencer area.)
- 1909 Spencer area (Wirt, Calhoun, and Roane Counties.)
- 1911 Taylor County. (See Morgantown area.)
- 1907 Tyler County. (See Middlebourne area.)
- 1905 Upshur County.
- 1911 Wayne County. (See Huntington area.)
- 1907 Wetzel County. (See Middlebourne area.)
- 1909 Wirt County. (See Spencer area.)
- 1908 Wood County. (See Parkersburg area.) (Exhausted.)
- 1906 Wheeling area (Ohio, Brooke, and Hancock Counties and part of Marshall County).

**WISCONSIN.**

- 1910 Bayfield County. (See Bayfield area.)
- 1910 Bayfield area (part of Bayfield County).
- 1913 Buffalo County. (In progress.)
- 1911 Columbia County.
- 1902 Dane County. (See Janesville area.)
- 1913 Dane County. (In progress.)
- 1905 Douglas County. (See Carlton area, Minnesota, and Superior area, Wisconsin.)
- 1911 Fond du Lac County.
- 1910 Iowa County.
- 1902 Janesville area (parts of Rock and Dane Counties). (Exhausted.)
- 1912 Jefferson County. (In progress.)
- 1911 Juneau County.
- 1911 Kewaunee County.
- 1911 La Crosse County. (In press.)
- 1903 Monroe County. (See Viroqua area.)
- 1905 Portage County.
- 1906 Racine County.
- 1902 Rock County. (See Janesville area.)
- 1904 Superior area (parts of Douglas County, Wis., and St. Louis County, Minn.). (Exhausted.)
- 1903 Vernon County. (See Viroqua area.)
- 1903 Viroqua area (parts of Monroe and Vernon Counties).
- 1910 Waukesha County.
- 1909 Waushara County.

**Reconnaissance.**

- 1909 Marinette County.
- 1912 Northeastern Wisconsin (Florence, Forest, Langlade, Oconto, and Shawano Counties). (In progress.)

**WYOMING.**

- 1903 Albany County. (See Laramie area.)
- 1903 Laramie area (part of Albany County).









